

### MODULE FEATURES

- 15 input points. Voltage source or sink, polarity of input signals is set by design.
- 15 output points, all voltage source.
- Outputs are fuse protected in groups.
- Fuse maximum rating 15 amperes.
- Replaces relays with solid state, electrical switching.
- No feedback checking or feedback current.

### STANDARD DINEX FEATURES

#### Construction

- Integrates with Intelligent Network Control System.
- Small, compact, light weight and rugged.
- Simple to field replace.

#### Multiplex Communication

- Fault tolerant RS485 data communication bus.
- 115Kbps data communication rate.
- LED status indicator during communication operation.

### APPLICATIONS

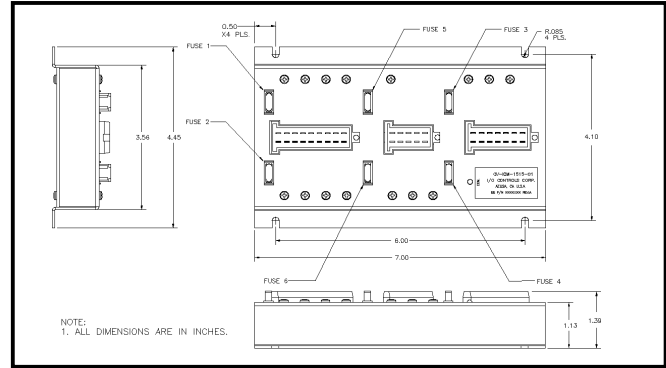
- Expansion input and output module. Add to system.
- Interfaces to switches, such as limit switches, temperature and pressure switches, pushbutton and selector switches.
- Used for turning on and off electrical power to control devices and loads, such as solenoid valves, lights, electrical clutches, heaters and motor starters.
- Dedicated design for chassis section of multiplex application.

### PRODUCT DESCRIPTION

The CV-ICM-1515-01 module is a digital input and output module for on/off state devices. The module includes both inputs for monitoring switches and outputs for control devices in a very compact package.

Each I/O point is optically isolated and with self protection against voltage spikes, transients and short circuits. The optical isolation also provides electrical noise immunity.

This module has fixed addresses 71 and 72 and each I/O point can be separately monitored and controlled by the master module and program available separately.



The CV-ICM-1515-01 is a subordinate module that requires a master module such as CV-CCM-D not supplied.

The CV-ICM-1515-01 has six, fifteen ampere fuses to protect the outputs.

### OPTIONS

#### Module

- Alternate connector types and configurations, or color coded wire pigtails.
- Resistance for exposure to the ambient environment, without a required enclosure.

#### Support Equipment

- Dinex T2-MK-232 converter box for RS-232 serial port (PC Compatible) to data communication bus.
- Handheld field programmer.
- Simulator

### TECHNICAL SPECIFICATIONS

#### General

- Operating temperature range: -40°C to +85°C
- Humidity: 10% to 100%, saturated
- Shock: up to 20 g
- Vibration: 5 to 35 Hz, 2mm double amplitude, 2 hours

#### Module

#### Inputs

- Input voltage: 7-16 VDC
- Reverse voltage protection: 16 VDC
- Input current at rated pick-up voltage: 5mA
- Input current at maximum voltage: 15mA
- Turn on/off time: 15 millisecond maximum

#### Outputs

- Load voltage: 8-16 VDC
- Continuous load output current: 3 - 10 Amp vary according to pin assigned.
- Leakage current at nominal load voltage: 100 uA max.
- Turn on/off time: 5 millisecond maximum
- Module Continuous Current, All Outputs Sum: 60 Amp

## PIN ASSIGNMENT

INPUT/OUTPUT AMP 963357-2 CON-A			
PIN	FUNCTION	PIN	FUNCTION
1	POWER 1_2 Fuse 1	2	OUTPUT 3 ( 8 A) Fuse 2
3	OUTPUT 1 ( 8 A) Fuse 1	4	OUTPUT 4 ( 8 A) Fuse 2
5	INPUT 1 GND	6	INPUT 4 GND
7	OUTPUT 2 (8 A) Fuse 1	8	BATTERY GROUND
9	INPUT 5 GND	10	INPUT 6 +12 V
11	OUTPUT 11 ( 5 A) Fuse 5	12	OUTPUT 13 ( 4 A) Fuse 6
13	INPUT 7 GND	14	INPUT 11 +12 V
15	OUTPUT 9 ( 5 A) Fuse 5	16	OUTPUT 12 ( 8 A) Fuse 6
17	POWER _5	18	POWER _6

INPUT/OUTPUT AMP 963357-4 CON-B			
PIN	FUNCTION	PIN	FUNCTION
1	OUTPUT 10 ( 5 A) Fuse 5	2	OUTPUT 14 ( 1 A) Fuse 6
3	INPUT 13 +12 V	4	OUTPUT 15 ( 1 A) Fuse 6
5	BATTERY GROUND	6	INPUT 14 GND
7	INPUT 15 GND	8	OUTPUT 8 ( 15 A) Fuse 4
9	POWER _3	10	POWER _4

INPUT/OUTPUT AMP 963357-3 CON-C			
PIN	FUNCTION	PIN	FUNCTION
1	OUTPUT 5 ( 5 A) Fuse 3	2	NETWORK DA DNET A
3	INPUT 2 GND	4	NETWORK DB DNET B
5	OUTPUT 6 ( 5 A) Fuse 3	6	+12 V MPX
7	INPUT 3 GND	8	GND MPX
9	OUTPUT 7 ( 5 A) Fuse 3	10	WAKEUP_COM
11	INPUT 8 +12 V	12	INPUT 12 +12 V
13	INPUT 9 +12 V	14	INPUT 10 +12 V

FUSE DESCRIPTION	
FUSE #	FUNCTION
FUSE 1	OUTPUT 1
	OUTPUT 2
FUSE 2	OUTPUT 3
	OUTPUT 4
FUSE 3	OUTPUT 5
	OUTPUT 6
	OUTPUT 7
FUSE 4	OUTPUT 8
FUSE 5	OUTPUT 9
	OUTPUT10
	OUTPUT11
FUSE 6	OUTPUT12
	OUTPUT13
	OUTPUT14
	OUTPUT15